

P1-008

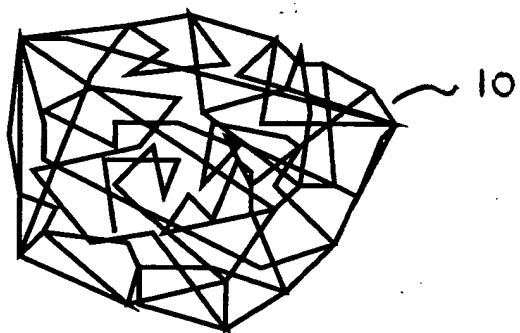


Figure 1A

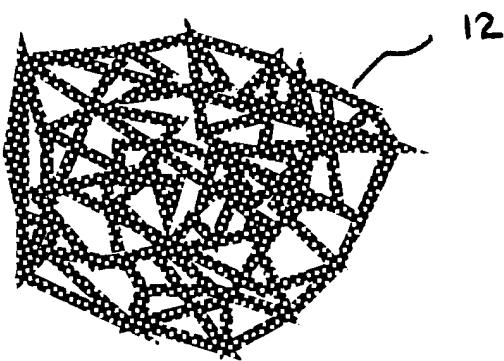


Figure 1B

P1-008

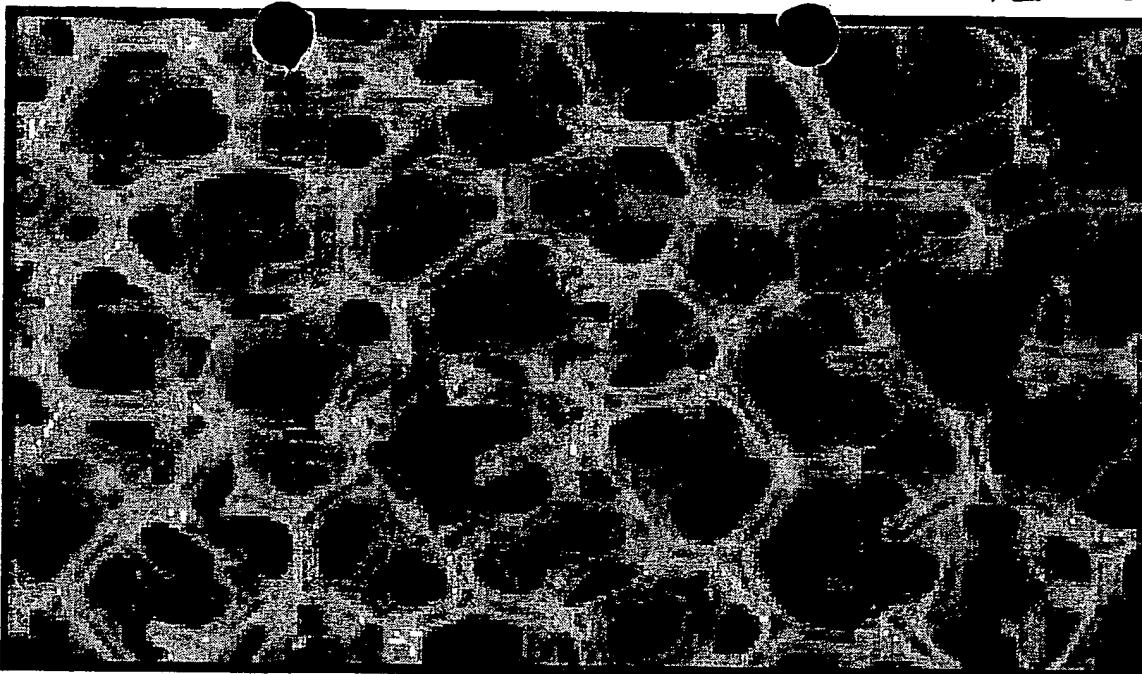


Figure 2A

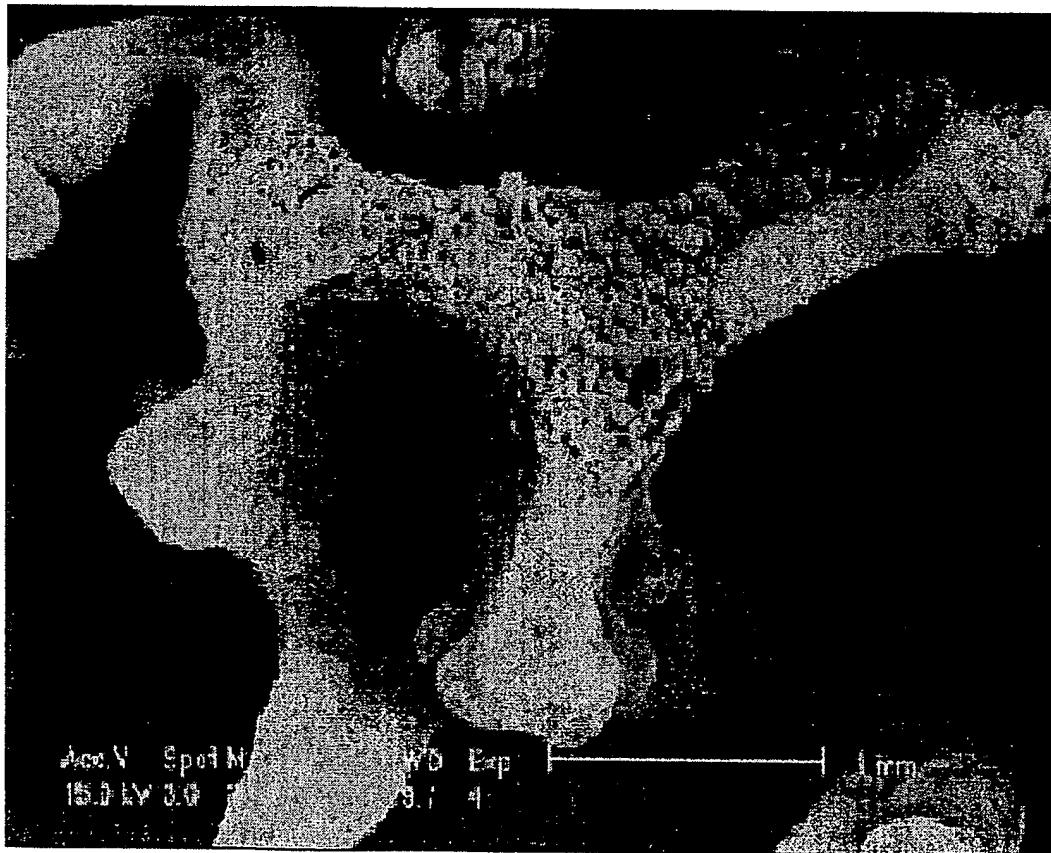


Figure 2B

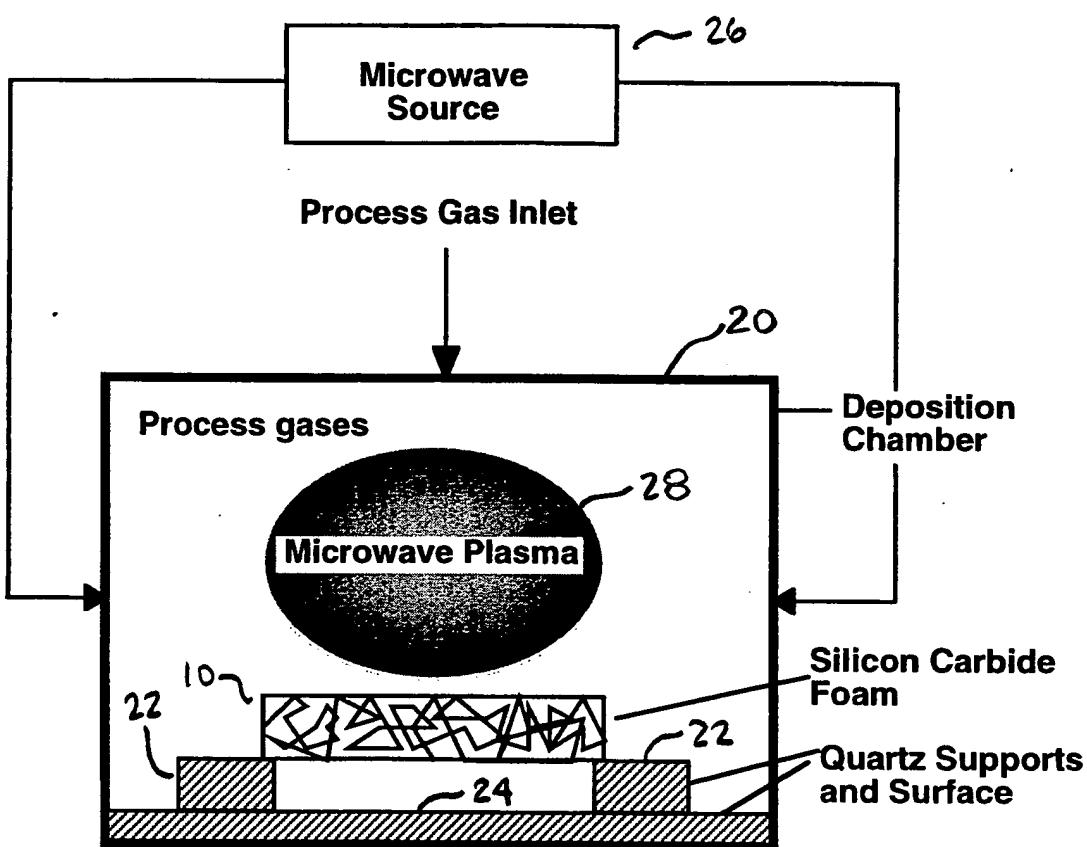


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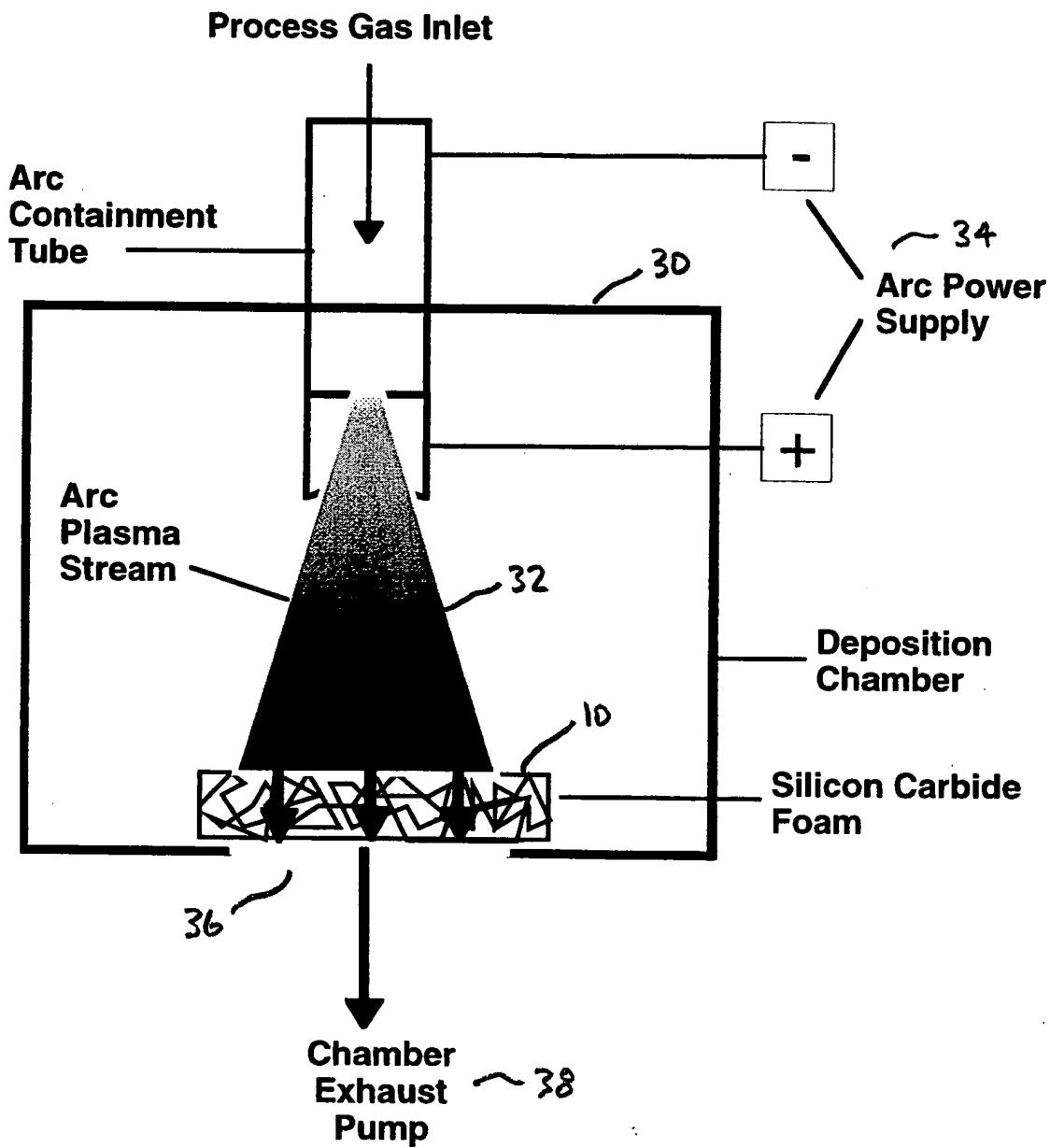


Figure 4

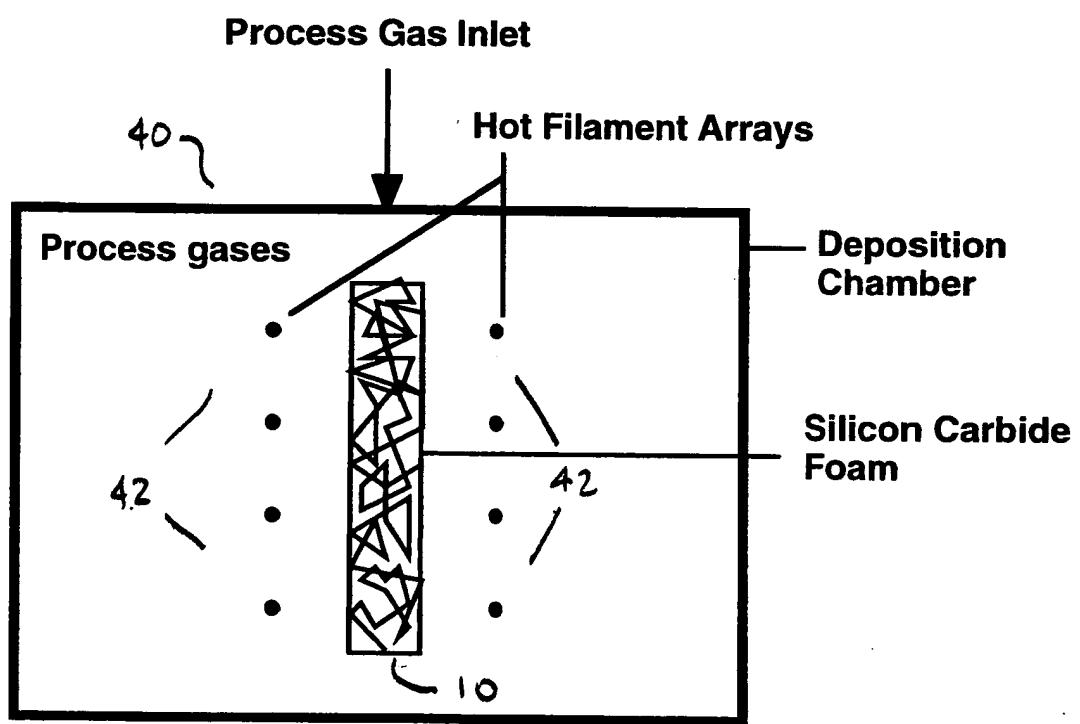


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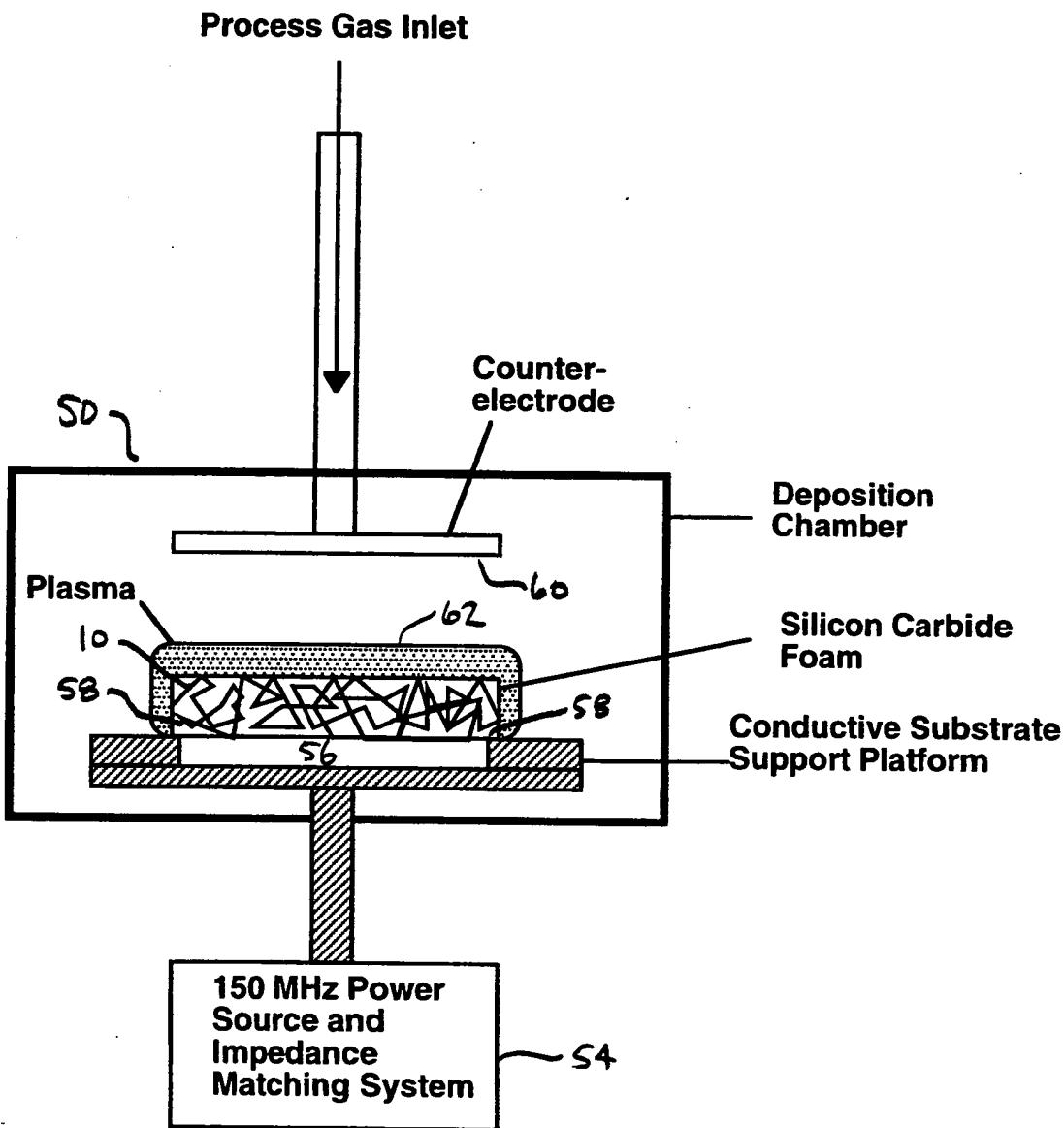
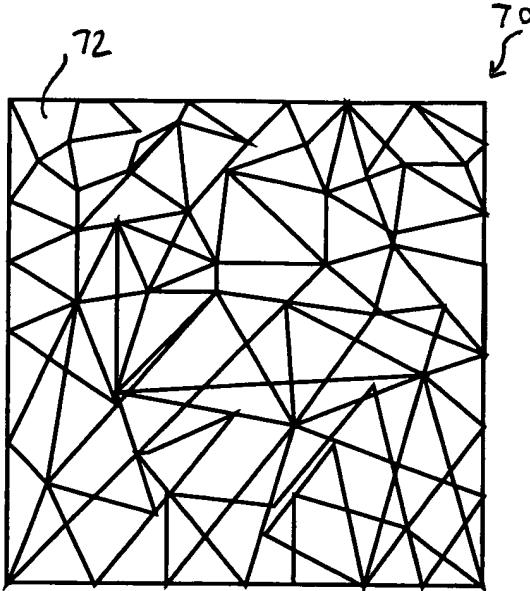
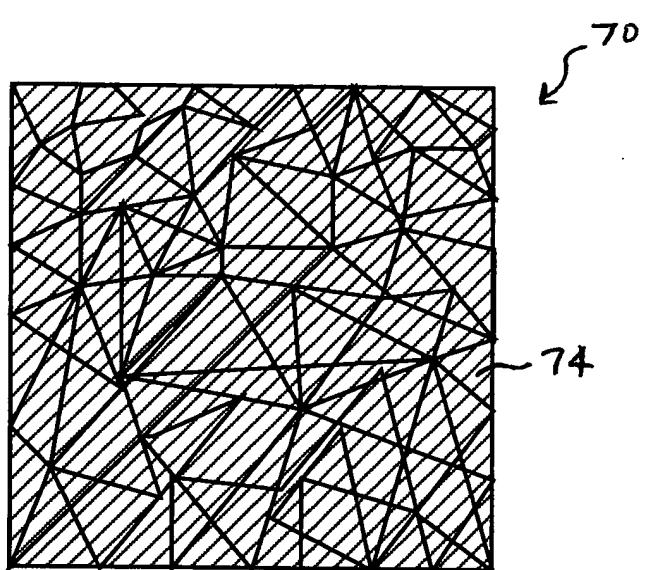


Figure 6

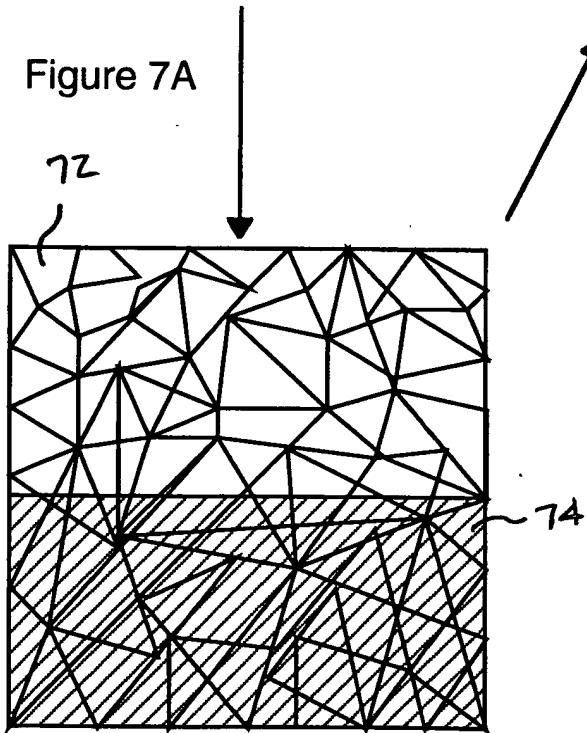
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**Figure 7A**



**Figure 7C**

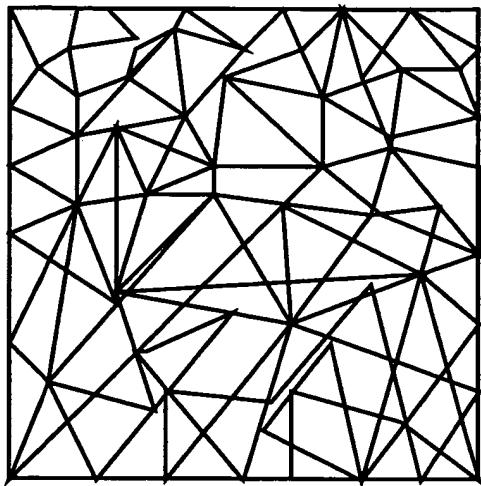


**Figure 7B**

# Partial and Complete Infiltration

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**Figure 8A**

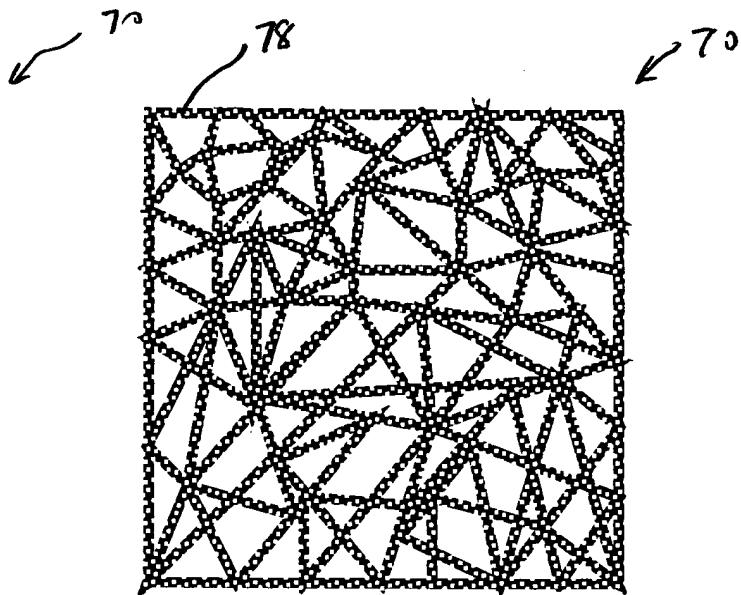
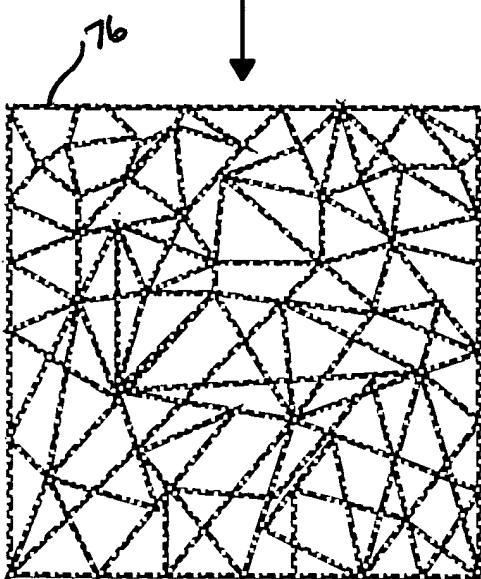
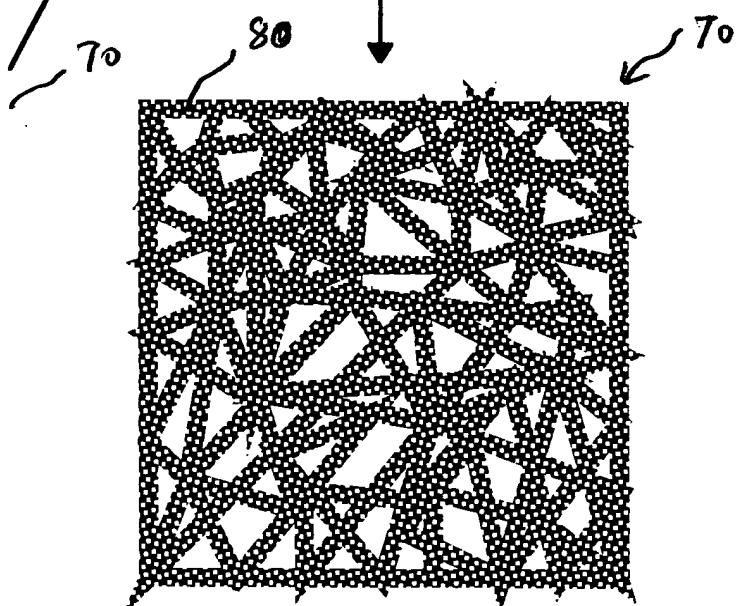


Figure 8C



**Figure 8B**



**Figure 8D**

## Dip Coating

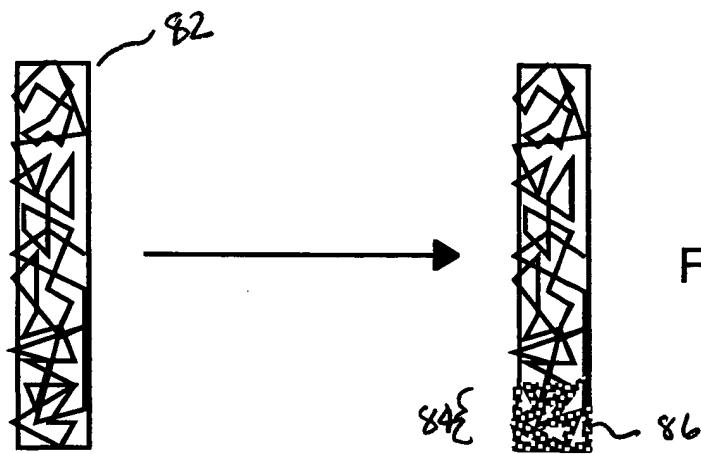


Figure 9A

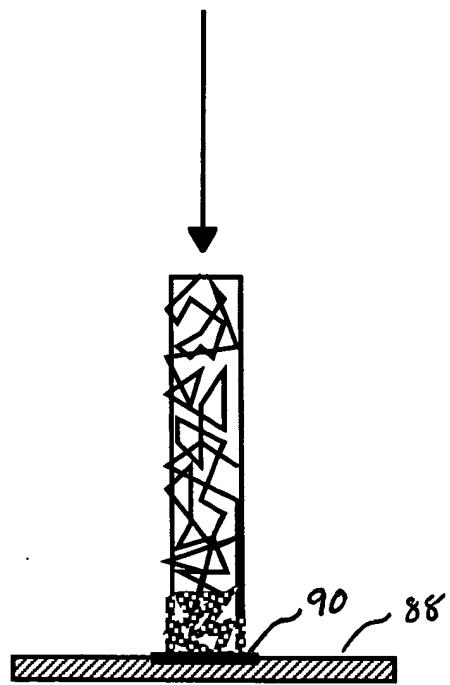


Figure 9B

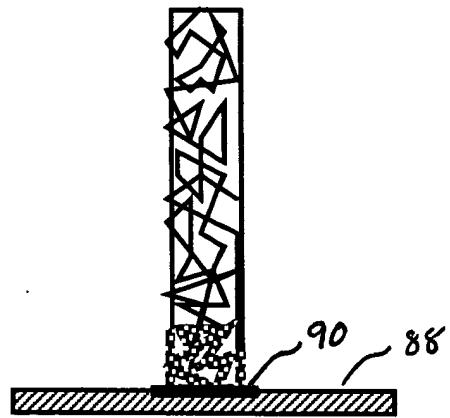


Figure 9C

Soldering Diamond Foam to Additional Materials

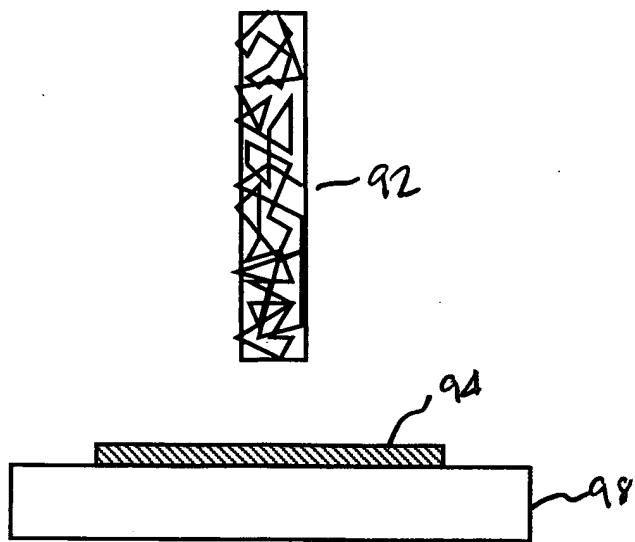


Figure 10A

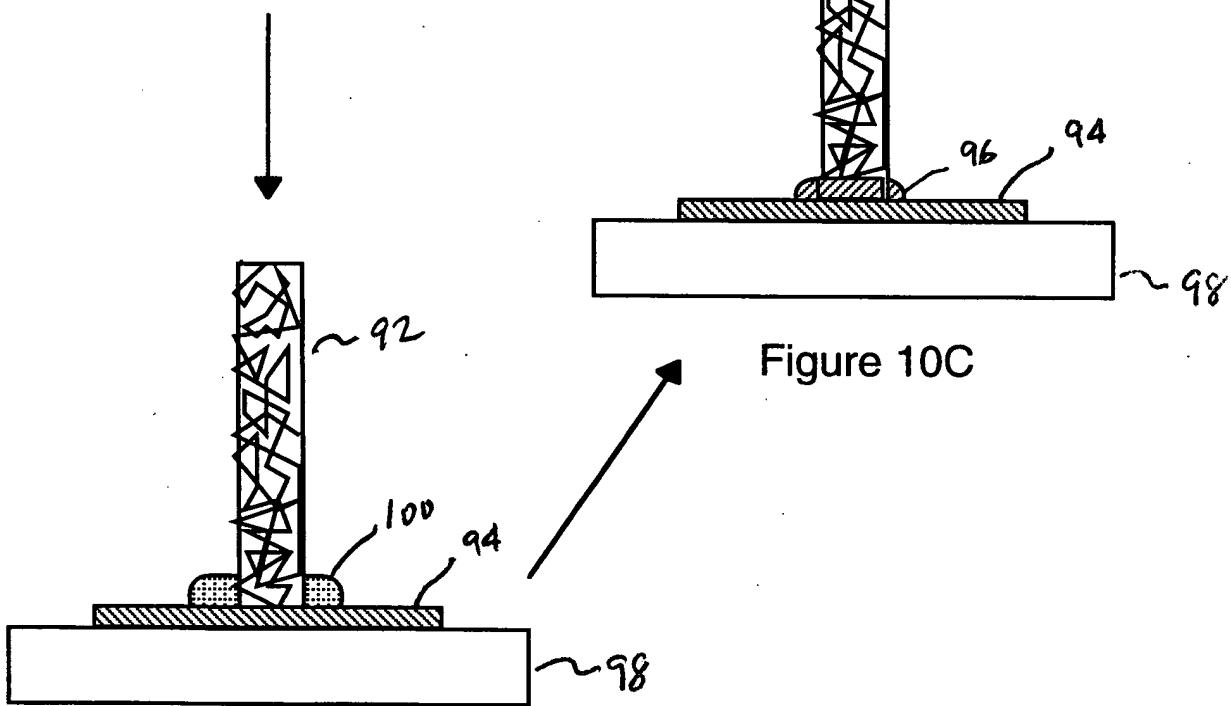


Figure 10B

Figure 10C

Joining Diamond Foam to Diamond Film  
by Diamond Deposition